

# JOE SATRIANI Surfing With The Alien

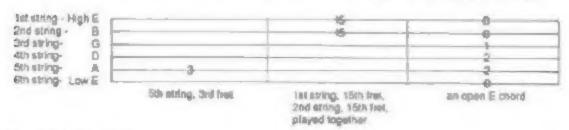
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ISBN: 0-89524-414-4

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#### TABLATURE EXPLANATION

TABLATURE: A six-line staff that graphically represents the guitar fingerboard, with the top line indicating the highest sounding string (high E). By placing a number on the appropriate line, the string and fret of any note can be indicated. The number 0 represents an open string.



#### **Definitions for Special Guitar Notation**

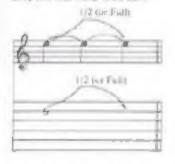
BEND Strike the note and bend up to step ione fret).



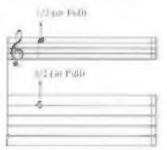
BEND: Strike the note and bend up a whole step (Iwo Irela).



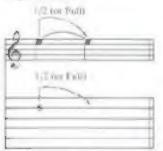
DEND AND RELEASE Strike the note and band up it for whele; step, then release the bend back to the original note. All three notes are fied, only the first note is struck.



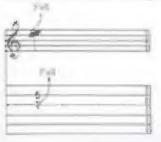
PRE-BEND: Send the note up to for whole; step, then strike it



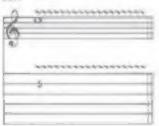
PRE-BEND AND RELEASE: Bend the note up to (or whole) step. Strike it and release the bend back to (he proposal note.



UNISON BEND: Strike the two notes simple recusty and bend the lower note up to the pitch of the higher



VIBRATO: The string is whill led by raged y bending and releasing the rolls with the left hand or trainels tax.



WIDE OR EXAGGERATED VIBRATO: The pitch is varied to a greater degree by vibrating with the left hand or transcio bar.



SLIDE: Street the first color and treestide the same tell-restd finger up or down to the second note. The second note is not struck.



\$LIDE: Same as above, succept the second hole is atruck



HAMMER-OSE Strike the first (lower) note, then sound the higher note win another tages by feeting a without picking



PULL-OFF: Place both fingers on the notes to be sounded. Strike the first note and without picting, put the linger off to sound the second (fower) note.



TRILL: Very rapidly alternate between the note indicated and the small note shown in parentheses by hammering on and pulling off.



TAPPING: Hammer ("tap") the first indicated with the right-hand index or middle finger and pull off to this note fretted by the left hand.



PICK SLIDE. The edge of the pick is rubbed down the ength of the string producing a scratchy soulid.



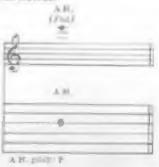
TREMOLO PICKING: The note is passed as rabidly and continuously as possible



NATURAL HARMONIC: Strike the note while the reft hand lightly touches the string over the frel indicated.



ARTIFICIAL HARMONIC. The note is fretted normally and a harmonic is produced by adding the edge of the thank or the tip of the index linger of the right hand to the normal pick stock. High volume or distortion will allow for a greater reventy of his monics.



TREMOLO BAR: The crick of the note or chord is dropped a specified number of steps then returned to the original prick.



PALM MUTING: The nate is periodly mused by the right hand lightly touching the string(s) just before the bridge.



MUFFLED STRINGS: A percussive sound is produced by laying the left hand across the strings without depressing them and atribing them so in the right hand.



RHYTHM SLAGHES: Strom chords in rhythm indicated. Use chord voicings found in the frequency diagrams at the top of the trail page of the transcription.



NOTES: 5 rigle notes can be indicated in hyther slasnes. The circled number above the note come indicates which string to play. When successive notes are played on the same string, only the fret numbers are given



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I have seen the future of rock guitar and his name is Joe Satriani. With one foot suspended in the stratosphere and the other firmly planted in the roots of rock, he is exploring and claiming new territory-conceptually, sonically and aesthetically-bringing instrumental rock to full fruition in the 1987 Relativity Records release, Surfing with the Alien (Relativity 88561-8193-2)—selected by GPM readers as the Guitar Album of the Year.

While it's too early to tell if Joe is to be the Les Paul or the Duane Eddy of the 90's, there is no doubt that he is boldly reshaping guitar music as we know it today, and at the same time defying gravity on the record charts with a purely instrumental and musically adventurous offering. Personlfying the "passing of the torch" tradition that encompasses both Les Paul and Duane Eddy, along with the Ventures, Jimi Hendrix, John McLaughlin, Allan Holdsworth, Eddie Van Halen, Yngwie J. Malmsteen and Steve Vai, Joe Satriani adds brave new elements to the equation. He brings technical prowess and training, the romance of the instrumental form, and the application of harmony and music theory to the rock context—as well as being a compelling performer and musical personality. Though he utilizes principles and procedures which may superficially be deemed inaccessible to the masses, he succeeds dramatically in appealing to a diverse audience of guitarists, musicians and listeners alike, unquestionably making Joe the next link in the evolutionary chain of instrumental rock guitar music.

In Surfing with the Alien, Joe approaches instrumental music as melodies sung with the guitar, backed by tight, logical arrangements. The structural concern for melody and direction, large scale form (sectionalization), textural contrast, orchestration, use of signal processing and performance mood, is the mark of the guitarist as complete musician. The song form structures of "Surfing with the Alien," "Ice 9," "Crushing Day," "Always with Me, Always with You," "Lords of Karma" and "Echo" bear this out. They have an almost pop-song sense of inevitability and balance, with intros leading to verse-like statements and contrasting charus/bridge sections, followed by improvisational guitar solos pushing towards verse recaps and outro/coda areas (often decorated with spectacular

rideout guitarwork as in "Surfing" and "Ice 9").

hybrid. The contrasting mood (B section) is loud and explosive and is a veritable lexicon of 80's rock guitar pyrotechnics, with rapid tapped pentatonic blues scale riffs, tremolo bar vibrato, radical string bending and artificial harmonics, colored with an edgy wah-wah pedal (set as a filter boost). The A section returns by way of a short instrumental bridge (bars 35-48) to the gentleness of the opening mood.

The playful shuffle blues romp of "Satch Boogie" (See GUITAR July '88) provides yet another distinct atmosphere/mood. In the uptempo setting can be felt elements of Eddie Van Halen (last boogie groove), big band jazz (a la Gene Krupa or Buddy Rich in the insistent swing of the pulse, and the Count Basie closing cadence) and a mix of rock guitar solo styles ranging from familiar Chuck Berry double stop bends (bars 67-69) to contemporary hard rock mannerisms like bi-dextral tap-ons (bars 73-75), whammy bar/harmonic tricks (bars 59-60 and 77-79) and extended modal scale runs (D Mixolydian: bars 57-64). All these elements are integrated into the conventional, largely pentatonic vocabulary of the idiom.

Joe Satriani's improvisational style runs the gamut from high-energy, wild, reckless and aleatoric to beautiful statements of great melodic depth and simplicity. His expressive and intelligent use of modal and pandiatonic melodies comes from his awareness of the harmonic ramifications of each mode: what can be said on the guitar is a result of its interaction with the background chords and the intervallic qualities of the scale it outlines. Like a rock version of Debussy or Bartok, his modal inclinations never seem cerebral, detached or contrived, but instead, form the basis for improvisational options which transcend the ordinary. Add to this the aspects of randomness, sound effects as musical events, and the thoughtful regard for the emotional value of dissonance, and one begins to develop an understanding of how some of his solo statements are born.

The opening measures of "Lords of Karma" illustrate some of the most technical yet flowing solo guitar work on the record. The two modes used are A Lydian (A,B,C#,D#,E,F#,G#; major 7th with raised 4th) and A Mixolydian (A,B,C#,D,E,F#,G; dominant 7th); each mode alternates exploiting its relationship to the tonal center (A). Notice under each two-bar section, that the mode is spelled out in the corresponding fret position for two octaves. Joe feels strongly that the intervallic distances contained in the steps from root to root is where the primary sonic value of the scalar line lives. Thus, the fingering form is offered which represents the parent scale of the melody in the solos. It is of paramount importance to focus on the specific sound of a mode before experimenting with extensions and permutations. Notice too that the melodies generated within this excerpt use only a portion of the two-octave parent scale (marked by brackets). Other interesting choices of modal/scalar materials can be found in the "Surfing" solos: the use of the Phrygian-Dominant mode (1,b2,3,4,5,b6,b7) contrasted by the conventional Phrygian mode (1,b2,b3,4,5,b6,b7) in C# (bars 41-48), and the Phrygian-Dominant mode contrasted by the Mixolydian mode (1,2,3,4,5,6,b7) ln D# (bars 49-56) and in F (bars 57-84).

The main theme itself is a bluesy blend of G Dorian and G Mixolydian resulting in what could be dubbed the "Mixodorian." In G: G,A#,B,C,D,E,F (1,#2,3,4,5,6,b7). Similarly, the second theme in "Lords of Karma" (bars 41-52), hints at a Slavic ethnicity in the unorthodox 1,2,b3,4,b5,b6,7 scale employed. This is a subtle reordering of the "Hungarian Minor," normally spelled: 1,2,b3,#4,5,b6,7. As a soloist, Joe Satriani is capable of great diversity. Incontrast to the technical prowess of "Lords Of Karma," he is the model of restraint and understatement throughout the performance of "Always with Me, Always with You" (See GUITAR Nov. '88). Playing with the "less is more" ethic of Larry Carlton, Carlos Santana or Jeff Beck, his approach is that of a jazz saxophonist rendering a balladic melody line (a la the legendary John Coltrane Plays Ballads recording), intent on underscoring the twists and turns of the

line with phrasing details (legato vs. staccato, palm muted vs. sustained and vibratoed), punctuation and reinterpretation. As a coloristic touch, Nashville-tuned electric guitars can be heard in the background (these are also used in "Echo"), stretching the guitar's facility as a timbral orchestral voice yet further. Joe Satriani is a leading exponent in what some call the "New Rock." Along with the modernistic concessions which are the obvious features of the style, is an uninhibited ability to rock hard, convincingly and with a unique impact. His command of string bending technique results in extremely vocalesque pitch changes (slightly sharp when bending into the minor 3rd of the scale, and slightly flat when bending into the 5th—shades of B.B. King), and a well-developed left-hand vibrato which sings, screams, cries and purrs. His collection of sound effects, from the "lizard down the throat" ("Ice 9": Guitar solo III, bars 5 & 6) to the off-the-neck string pulling, and a myriad space-age whammy bar and physical tricks, are among the most imaginative and ingenious in rock guitar since Hendrix. These, often flaunted alongside vintage rock 'n' roll quotes—for the effect of upsetting the musical equilibrium—reflect Joe's refined sense of the absurd. Satriani has often alluded to various modern harmony concepts in his music, as well as in his discussions concerning his works. While some of these concepts may seem initially complex and foreign to most guitarists, they are based on very solid and fundamental principles of music certainly worth investigating, and beneficial to any practicing musician who approaches them with an open mind and a creative attitude.

The notion of ostinato and its implicit structural order abounds in this album. A salient example can be found in the opening measures of "Lords of Karma." The seed of the composition is contained in the first four-bar phrase (Rhy, Fig. 1), which is the exposition of two modal arpegglos: A5#4 (A Lydian mode) and A13sus4 (or Gmaj 9/A—the A Mixolydian mode) over an A pedal. The ostinato begun in bars 17-20 (Rhy, Fig. 3) is a repeating two-bar pattern which reflects the crucial notes of the changing modality: G# and D# in the first two bars for A Lydian and G and D in the second two bars for A Mixolydian. All the melodic materials and harmonic information for the verses (bars 21-36) and guitar solo (bars 63-102) are derived from the alternating modal centers and are united through the use of ostinato: in the bassline (Rhy, Fig. 3), in the recurring chord progression (Rhy, Fig. 1) and in the underlying effect of the parts. Interestingly, the practice of ostinato and its related forms goes back to the Baroque period, exemplified in 8ach's famous violin Chaconne (circa 1730), and in the keyboard passacaglias of the time, verifying the universality of this concept.

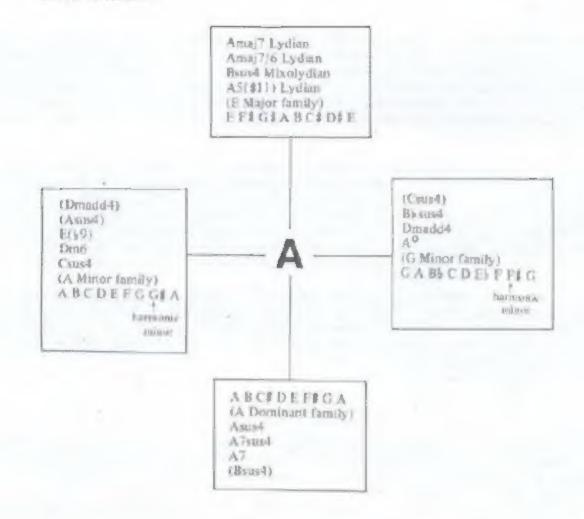
Other examples of the ostinato procedure can be heard in "Always with Me, Always with You," with its hypnotic chord sequence (Rhy, Fig. 1) behind the main theme (bars 21-36) and its variations (bars 37-52, 123-138) and solo episodes (bars 75-90, 91-106, 107-122) and in "Echo," where the foundation pattern (Rhy, Fig. 1) is a repeating eight-bar phrase in a funky 5/4 time.

No better demonstration of the Pitch Axis device exists than in the infamous tap-on bridge of "Satch Boogle." The following two-part example is offered as an introduction to this powerful musical tool:

Ex. 2A Pitch Axis
"Salch Boogie" (Bridge)

	Chords in order of appearance							a mail Marson for	6) Dm6/A	manus	A7904	Amort	A.7	
2	A5(\$11)	100 A	Dmadd4/A	Asur4	303 3 GP	25 CS	30 0	4 GD	18	÷8»	File	# 6P	1180	
0	<del></del>	ē	ē	ē	ē,	3	9	ē	ē	(E)	*	•	0	
T.	- 5	8 10 11	10 ft 10	5	6	7 7 9	8 0- 10	9 - 0	7 0 7		10 -	9 10	- 6	
В	0	-0-	0	0	-0-	0	-0-	9	-0-	0	0	-6	9	

Example 2A has reduced the intricate tap-on bridge of "Satch Boogle" to pure harmonic elements. Originally, these were all played on the 5th string only, and could not very easily be grasped as chord structure, particularly if one is confronting this concept for the first time. Each voicing is the block/cluster chord equivalent of the various tap-on arpeggios. The open A is the point of reference for each chord (its polar center) and is also the common tone throughout. By listening to each interval stack against this center, an awareness of harmony (as perceived by Satriani) begins to form in the ear. Each chordal reduction should be immediately compared with its tap-on counterpart.



Example 2B graphically demonstrates the Pitch Axis principle. Each chord has some relationship to the central pitch—A. The organization of chords into a family or group of related harmonic materials is essential to create order and identity within the Pitch Axis system. Chords which appear in more than one family are in parenthesis and, in the case of the two minor families (A minor and G minor), both the Aeolian mode (natural minor) and the harmonic minor scale have been combined to avoid redundancy and confusion. Note that the basic chordal types—major, minor and dominant—are all represented in the example. This principle, or subtle variations of it, have been found in the works of some of the greatest composers of the post-Romantic and neoclassical schools—notably Richard Wagner and Igor Stravinsky—and in the compositions of jazz guitarists like Allan Holdsworth and Pat Martino. From the return of the ingenuous 50's teen beat in "Surling with the Allen," to the controlled chaos modernism of the third solo and eerie dissonance of his "ice chords" in "Ice 9," Satriani comments on the historical elements of instrumental rock and brings to it his own ideas of what may come.

In the intriquing book "Cat's Cradle," by Kurt Vonnegut, the earth is frozen by the crystallization of water into a new form by a substance known as "Ice Nine." Joe Satriani's world is also intriguing. He is experimenting with new forms of expression and approach; transforming and restructuring, stacking and reordering, altering the course of his instrument. And with his own "chilling" technique and fearlessness—like a mad scientist bent on progress—he is bringing forth the future.

## PERFORMANCE NOTES by Jesse Gress

### JOE SATRIANI\_\_\_\_

#### SURFING WITH THE ALIEN

After the fade in of control room dialogue, "Surfing..." literally explodes (using an overdubbed jet plane sample) into the opening rhythm figure based on the G Dorian mode. The melody enters eight bars later and by alternating between phrases using both the major and minor 3rd (B and Bb) a combined modality of Dorian and Mixolydian modes is achieved using a "Pitch Axis" of G. Joe utilizes many quarter-tone bends (a la B.B. King) throughout most of his playing. These microtonal bends really help the music come alive and should not be taken too lightly. Also in evidence on the melody is the subtle use of a wah-wah pedal for lots of different tone colors without the obvious wah effect. Using the wah-wah as a filter also helps bring out harmonics.

After another jet plane break, we hit hard into the first guitar solo on the "and" of beat 4, faunching into a series of trilled sextuplets based on the C# Phrygian-Dominant mode (the fifth mode of F# harmonic minor). These trills are played using the edge of the pick to rapidly fret notes instead of fingertapping. Eight bars later the key jumps a whole step, featuring D# Phrygian-Dominant (the fifth mode of G# harmonic minor) for another eight bars, then another whole step, utilizing F Phrygian-Dominant (the fifth mode of Bb harmonic minor) for the third eight-bar solo. These solos are a wild ride and between the taps, trills, screaming harmonics and wharming bar work, Joe leaves no stone unturned. Following is a four-bar interlude featuring an almost "country" sounding lick over a chordal movement, both based on G Mixolydian.

Returning to the melody with some slight changes in phrasing, the tune appears to be heading for a close, but not soll After a four-bar jet plane sample break. Joe pulls out all the stops and rips it up using all of the aforementioned techniques plus a few more such as "playing" the trem, bar, Chuck Berry-style double-stop bends, and muted lines played in diatonic thirds before the fade out. Whether listening to or performing this tune, one is promised two things; sheer exhibitantion followed by sheer exhaustion! Surf's up!

#### ICE NINE

This sinister-sounding theme, inspired by a substance in Kurt Vonnegut's "Cat's Cradle" which crystalizes water on contact, begins with two accented intervals (a perfect 5th to a major 3rd) providing some initial contrary motion before settling into a two-bar pumping rhythm figure using root-5th chords in parallel motion. Four bars later, the "ice chords" enter (Fill 1) and the mood is set for the appearance of the melody another four bars later. This melody owes much to Jimi Hendrix in both its phrasing and content. It is stated twice before moving to its first variation, an eight-bar figure liberally sprinkled with artificial harmonics and quarter tone bends. These short one-bar statements are answered by a chiming funky chordal figure which is in turn answered by the "ice chords" (Fill 2). Leading out of this section is a descending sixteenth-note C# blues scale figure on bar 8 providing the transition to what could be called the "Chorus." This eight-bar section contains a theme played in three octaves over a thick, syncopated rhythm figure. Next, the melody is restated in three octaves followed by a one-bar drum break which leads into perhaps the album's most feroclous solding, grouped into three distinct sections, each using drast cally different tones and techniques. The first eight-bar sold cuts loose with an amazing flurry of thirty-second notes played with an extremely legato technique and brings to mind elements of Frank Zappa's solding style. The main tonality here is Eb Dorian (derived from the Db major scale) with the addition of a flatted 5th for bluesiness. Bar 7 features a bent note combined with a trem, bar upward pull, while bar 8 restates the same general idea three octaves lower.

Solo number two, also eight bars long, commences with what sounds like a heavily treble-filtered pick slide (filtered with a wah-wah pedal in fixed position), but could also be a series of harmonics produced by playing rapid triplet pull-offs on a single string with the left hand while simultaneously running the side of the right hand index finger back and forth along the length of the string between the bridge and neck. Try 'em both; they're equally big fun. The wild 'treble till you can't stand it' tone of this section yields some indescribable artificial harmonics in bars 3 and 4. There are two harmonics produced here that, as the string is bent, move in opposite directions resulting in a ring modulation effect with no ring modulator in sight. Try "fishing" for these harmonics at various points along the string length including on the fingerboard. This lick is surrounded by some rapid-fire thirty-second note lines based on Bb Dorian (key of Ab major) again using many legate harmonics and pull-offs. In bar 7, the note is raised in two distinct trem, bar pulls followed by an ever-widening whammy vibrato in bar 8.

Solo number three (also eight bars long) is the damdest thing I ve ever heard. These are some noises Adrian Belew would be proud off. Using backward recorded guitars we begin with a sound that sounds like my car when I try to start it on cold damp days and continue through some harmonic squeals into three examples of what Joe has termed the "lizard down the throat" sound. This consists of raising a note by sliding it up the string and simultaneously lowering the whammy bar in an attempt to keep the pitch the same. The result is this other-worldly warble that backwards or forwards, sounds great! A C#5 chord rises from the flubber and gives way to the D.S. of the melody. To hear what was played in real time in the third solo, you must somehow listen to this section of the song backwards. This is most easily accomplished by flipping the reels on a reel-to-reel tape recorder. After the return to the melody and variation we move into an elongated chorus, featuring the melody played in three octaves. The Outro solo (beginning in bar 3 of the Coda) is based on the C# blues scale. Statements phrased around the recycling chorus melody line are used to create tension. The soloing becomes more intense and the spaces become fewer as "Ice Nine" slowly fades to audio black.

#### CRUSHING DAY

The eighth-note rhythm figure in the Intro seems to be switching modalities between C Ionian and C Lydian. Like the upcoming melody, it is based on the fourth mode of the G harmonic minor scale (C, D, Eb, F#, G, A, Bb) similar to C Lydian but with the substitution of a flat 3rd for a major 3rd. The result is an Eastern quality further enhanced by the use of many grace slurs and trem, bar dips and pulls. These pulls can also be achieved by positioning the bar to face in the opposite

direction (towards the strap pin) and pushing on it to raise pitches. Bouncing on the bar while simultaneously hammering a note with the left hand will also "Easternize" phrases.

The melody is stated three times over twelve bars, with different fills between each phrase, then moves into a "Chorus" section. This eight-bar section consists of a very singable melody and full rhythm figure both based on the key of G minor. Note the harmony in 3rds in bars 4-8. After a repeat of the eight-bar intro, twelve-bar melody and eight-bar chorus, the entire chorus modulates down a minor 3rd to the key of E minor for eight bars before returning to G minor for a four-bar restatement of the Chorus melody in harmony. Notice how the last notes of the Chorus melody are sustained over the intro figure for over six measures by means of finger vibrato only. This is the same sound that opens Jimi Hendrix' "Foxy Lady".

The first solo follows and is a classic example of combined "call and response" and "theme and development" techniques. The lines throughout the first eight bars all start off with the same notes but are developed differently each time using the G minor pentatonic scale with an occasional 6th (E) thrown in. The eight bars repeat this idea one octave higher. Next, a new rhythm figure (G Dorian to D Dorian) establishes the harmonic climate for the next set of solos beginning with an eight-bar section consisting of variations of a three-note figure. Bars 1, 2, 5 and 6 of the next eight bars can be played in one of two ways: by sweep picking three notes and following with a pull-off or by using hammer-ons. Note the thick rhythm guitar texture throughout, which provides background harmony and drive but is never obtrusive. The next four bars contain an exciting pattern achieved by grouping eight sixteenth notes into two- and three-note subgroups and utilizing pull-offs, before giving way to a descending blues scale sequence. Following are a few Chuck Berry-isms, some broken 5th intervals, 4th's played as double stops, and a descending blues scale sequence phrased in eighth-note triplets. The next section alternates between the modalities of Eb Lydian (from the Bo major scale) and F Mixelydian (also Bb major) for four bars each. These modalities are described melodically by sequences using the Bb major scale first in sixteenth notes, then in eighth-note triplets. Another sixteenth-note figure follows, outlining triads in various inversions, with the sixteenth notes again grouped two, three and three using pull-offs between the first two notes of each group. A nice melodic line utilizing eighth-note triplets and some wide intervallic jumps brings the solo to its wind down. The solo ends with a sustained descending theme using a quick sixteenth-note bend at the end of every other measure to ensure Eastern quality followed by one of Joe's patented raked artificial harmonic screams. The re-statement of the melody follows, again with different fills between each phrase, and after twelve bars moves to the two alternating Chorus sections (G minor and E minor) before lading on this extremely whistleable melody.

#### ALWAYS WITH ME, ALWAYS WITH YOU

This ballad in 3/4 time features some stellar guitarwork utilizing a few clean tone rhythm guitars to back up the distorted melody and solo guitar. The basic rhythm part (Rhy. Fig. 1) is made up of chord arpeggiations based on a I-IV-V, with brief reference to VI. Most of the chords feature upper extensions (tensions), such as the 11th (4th) and 13th (6th). The melody is based on B major (B,C#,D#,E,F#,G#,A#), and is sixteen bars long. The second group of sixteen bars leatures Joe improvising on the melody, displaying a beautiful touch and great control, moving smoothly from elaborate to succinct phrasing. The next twenty-two bar section shifts to minor, utilizing the same basic progression (with bVI replacing VI). Joe's lines here are based on B Aeolian (B,C#,D,E,F#,G,A). The riff in bars 6 & 7 is virtually all hammer one and pull-offs, so keep your left hand loose and try to apply even pressure throughout the phrase. Bars 13-22 feature what sound like overdubbed electric sitars; in the score they are notated for standard-tuned guitar, and a boxed figure below shows the part noted for "Nashville-tuned" guitar (strings 6 through 3 are tuned one octave higher; consequently, different string gauges are used for these strings). Joe recaps the melody before launching into an eleven-bar tapping-riff featuring the open B string, the twelfth frat octave, and a note from B major played as a three-note riff in straight sixteenths, creating a polyrhythm of three against four. Joe's final soloing section features a brief workout on B pentatonic major (B,C#,D#,F#,G#) in bars 2-8. Joe's final cadenza-like phase is written in tempo [against the synthesized percussion), but the feel is that of a riff in free time. This is a nice piece of music which features some great guitarwork, so get crackin'.

- Andy Aledort

#### HILL OF THE SKULL

This piece for guitar orchestra seems to travel to the listener at three different speeds; normal, half and double, but this effect is, in fact, the result of careful orchestration and production. This transcription can be played as written using four separate guitars, or guitars III and IV can be combined with some slight fingering adjustments. Everything here is pretty straightforward with the melody (again the ghost of Jimi makes an appearance) derived from E minor. The ending features a screaming audience of harmonics, some produced by normal means and others by lightly running a finger along one of the wound strings. This section proved almost impossible to notate, so listen to the recording, use your feelings and just go for it!

#### SATCH BOOGIE

This tune is like ZZ Top played at 78—sort of an 80's raveup in the tradition of "Jeff's Boogie," Jeff Beck's old flash piece from his Yardbirds days. Joe plays with fury and his tone is monstrous. Heavy distortion plus heavy picking enable him to get the wide variety of artificial harmonics he produces. This also serves to strengthen the sound of the natural harmonics, especially when they're treated to trample bar abuse. Most of his lines are based on pentatonic minor (1,b3,4,5,b7) the blues scale (1,b3,b5,5,b7) and the Mixolydian mode (1,2,3,4,5,6,b7) following the basic chordal outline (A,D,F#m). Kind of a Beck meets Hendrix meets Gibbons meets Berry meets Vai affair, if you will.

The sello disafor the tune features a lextended tauping off which unlives one tapped note and two trefted notes along will neone. As one upons present as a let hap acan so the transcription teatures what seems to he the most opinal privating. The tapped a little ted notes change constait vial using to many different and unusually just apposed tonalities. I success analyzing this partiture are understanding of the suggested chord movement. One final word, there is an abundance of puring or the tremologism of the suggested chord movement. One final word, these sounds can be recreated by bending the string behind the nut.

- Andy Alegort

#### CIRCLES

Opening with a half rimp fool two part, led as in wenced thyth led to evaluate the splaying a keries of mid to low-tous eldouble steps us utuated the least there will all over assume the temporary structure. The structure are the specific or repeats set to priy in the wint the temporary structing in many ghosted roles throughout has the area conditioned on the set of Emiror but no 3replace present in the voicing used and rave often been replaced by the lind functioning sometimes used udded 9th. The sitteen thin test subgrouping here is 3 + 4 + 2 mostly with out is subgrouping here is 3 + 4 + 2 mostly with out is subgrouping here is 3 + 4 + 2 mostly with out is subgrouping here. This consists on a working a voice. After stating the melouy four times. Bibars) this first variation is curs. This consists on a working use with instead him test bis, out, sind 3 + 2 as repair to the provious time bits, and asswered by in any specific to a voice. After one said of his figure is estated, we else this entry preventions the bits, and was a working bassivoire. The first pure is because of his figure is of the story basis of the story basis of the fourth bar allows you to hear the exact tempor of the echo repeats.

After the broak, the temporisional for the selected one which teature all complete change of chalacter and rock ferourus y. The its lives are an entered vertar E.D. and the trial of the trial selection and the property of the property of

The foliatr movement introduces a new harmonic climate using a B7 to D7 to Cmap, progression with none of the chords containing a 3rd. The solo over these changes is delived form the Elharmonic minor scale functioning also as the BP minor Dominant mone, and is very them a developing the same basic out by philate the provident scale to git the state of the state of the scale to git the state of the scale to git the state of the scale to git the scale of the scale of

#### LORDS OF KARMA

Another example of Joe's use of the Prich Axis' composition technique. Loids of Karma' opens with an electric sitat (Coral no toubt) shift no two bar phrases between two modilies between two modilies as eulo, it esame ruot note. A Third Ab (#11 chold is derived from A Ly as, while he Albausa on each in A Marry as Each old shed as a child form and is a plantation and accept of or some rebeats. I write any talks ar abridged version of the ancommon basis he bill, wikith kills in batter their darrow out in the harrie Bill putter of he in throughouthe Amelody section I writer dy for twisthe mode shifs of the hords and raively least instrumeding dunionhelpine ty and use of graces are. which side into notes from above the intended printers. Alter the second ending things move in old kind of sinister suff beat section using thordridgrived from Alminor, however the trem, par dips and the inclusion of the F# and D# in the moledy keep this fram sounding we A natural in or. No eline delivened term and it alow which alses in high military the deliver and rate which alses in high military that the deliver are recorded as a tround of ler a lines. It's saster inscent be Eastern miscs. Eith bas later this second or nor lates of a major 2 to 10 Bin not a dicenterous for high finding hars following is a two partitioner stated intentimes over an Effort in clicit ling ession. The relative photes create a C7h5 sound over the second ball of the theme. Anaimhote the carefully controlled trem ibar vibrato on the tirst bur of pach recurrence of this triem of Sulff Loutisa nice. The mount no tension see his thippeak with laish filto 3.41 me for four burs, fecturing simulan about droning and pumping of an E5 sonority will a the other chromatinally raised to the flat 70 it BIG.C# Elines, ting in the James Blind Seriet Agent niod it y Just as the te so tegs are eleased we ret in ordening to withthe about od cass to real Rhy ligs 182). The searing bleak the sion is sharered by a line project of one. Costring which after oning the Libbertand makes an armana combalities a harmon design mitwo pot events gher and continues to accord unlittly participated to the max in my quitor of case anyway), stiffeginally anding their teion a L# above that which happens to be their a sed 4th of the Asus #4 one di being sounded. Too much. This is accomplished uping a touched it armonic at the firth fret (see lice fyine), on the G sing. Asthe D# steached on beat two traine difortour and a half more cleats before diving once again to hubber. Tension is released only for a few beats as a tick slide leads into the solo, an increding was of sound using mostly a sixteentinote those, not 1 years it rough situates again based on the six ing A Lydian to A Mixoly bian modalities (two bals each in major key certer think not is translates to two bass of Emajor to two bars of Dimajor. Twelve halls later

a figure occurs which utilizes seale takes pulled of to an open Ellist isturglas a pitch basis for four basis. Next, a fourbart emels introduced using the fem parto dipinto, then quickly raise help to exchanged for two bars, then a more 3rd. This is a great example or play not the par, and though it sounds flas arm the teeling of performing this move is more frombone, sude whist elor must all saw priented. The theme's lepeated in a similal tastrollore octavo higher with some amazing fills on the fourth bar. He elaharm on dis raised aist arp 4th and to ewed by Jile's "izar", sown the introat" sound, explained in the footnote on the script A of prioring them of o over unrivered by another series of sittle the note trip of based measusing puriets of the orient Bs in sibelore diving and inally approvering the ton. A from the flat 7th (G). The next section can be viewed as the Bildge and the first line is the fund indeed the intro-the liver of s... "" approach gives way to some space. Alse les ntichord thanges la lite diasic lord forms, tre arpeggiated by the electric star and move to a V7#9 chord on bar 16, sustaining for wichain Rhy Figs 182 follow with some nice tendrack one ring on the sustail ad ow A note in bard 3 & 4 of this eight parting relified highly punchas on bar 8 and us to the Jiu —a repear of the Almeio dy section—through the second end to the Conal The Cacal leaks the "Pituh Axis" and sin A Mixorydian The them in the ocked te a sery tem a control of Hendrik a tept as in o's drawg th note octaves. After sixteen hars the themers, spealed with 3 distrium any also played in octaves, and it leads in x fines. (for allow of twenty four bars) starting a faire on the seventh repeat. As me to lefacer, its worthwrite to note how such an of herwise con plex piece can end up with a very singable sin pleme it. July

#### MIDNIGHT

A fingerthy four deligit of court in a traditional and modern name all namery. 'Midnight's lows the power of this technique it yet another the price is tapped using both the religion to the finder of the hinds. Using some sort of stire a particle growth or even a rubber band at, let let let, will rever to atthes produced behind fretted notes from soulding. Even though sections of the piece are played with a route, let in lought to the kind the radio of the resulting patterns as drum potterns. If you can keep time tapping these thy time or it as let the you should have no problem but ingoing the first or a filter of the production of the first or a filter of the first or a filter of the particle of the particl

In the second section each hand taps two notes simultaneously and the hands of critate with each interval played, resulting the affolior chords cound. Next the melony is stated there they achieve a graph time before ending with an alternating  $\sqrt{2}$ , J, (or D,  $\sqrt{2}$ , J) movement using the tall ping pattern from the first each J.

#### **ECHO**

Using an infections 5.4 gmlove, "Exhibit heales son ellomplex musical ctructurer using a combination of larty's muse incredients combined with extreme linerally and grace. Starting with a barn muticular hythmit quies consisting of the first five noted of the Einstitute many shale a shift in effect is an exhibit extend the duple that pattern of two eighth notes prayed administration possibly for notes shared a few parterns of the public of the parterns of the parterns of the entire that the parterns of the entire that the parterns of the entire that a few parterns of the entire that the parterns of the entire that the entire that the parterns of the entire that t

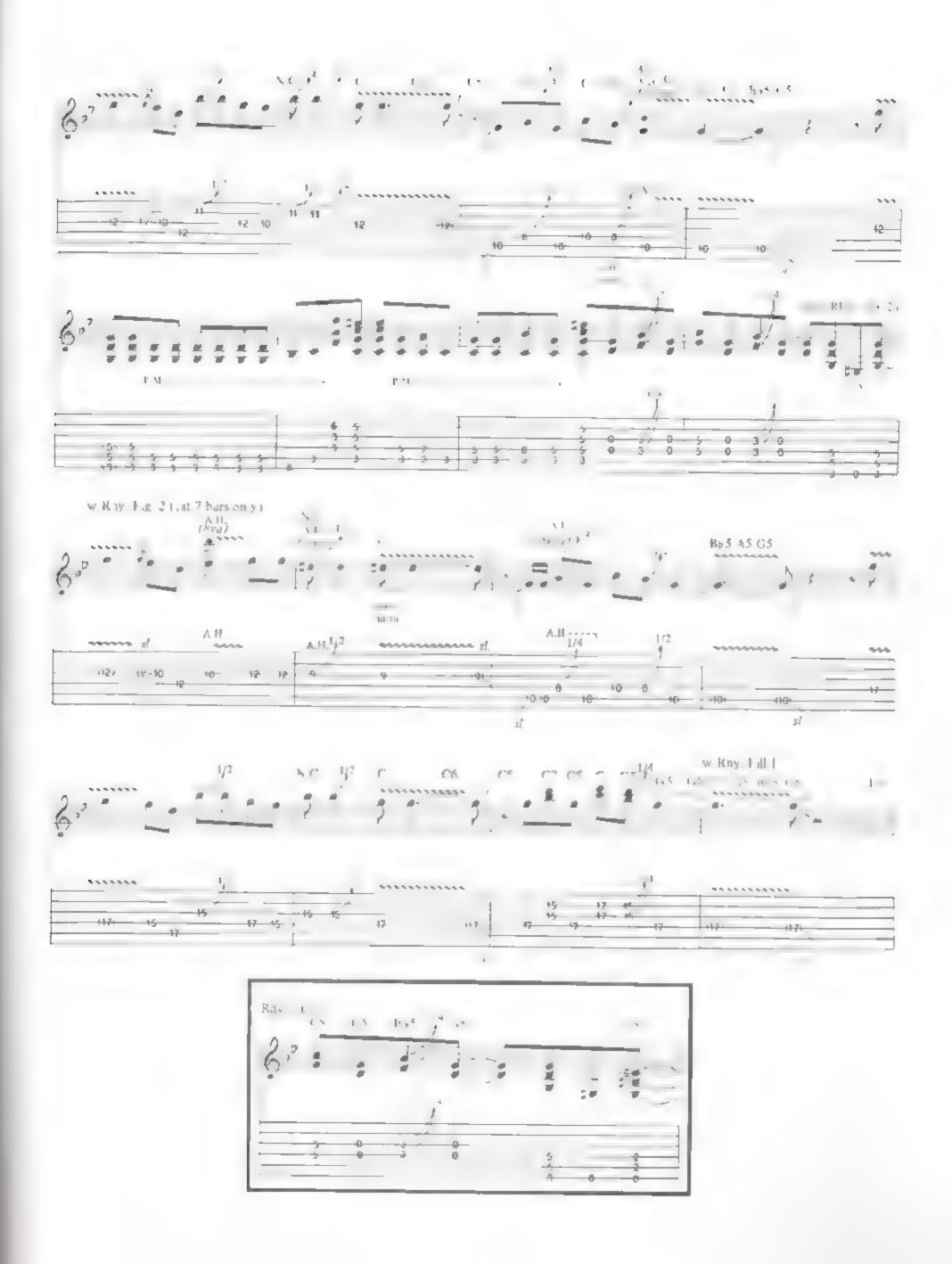
The first metally, quite simple and very profty in baned on the Elminor shale, as let to at ligitary ones to iters on (the Aline creating as is entire sould over Emiliply potentiagh the (the disturbed the rest in the buesy) or a not ending. The second news year or last the equitar part is no around parameters on ending at all introductions of the second guitar part is no around expeggion proved is not come established. A businessment oncors in the second guitar part is no around expeggion proved is not come as used as very plantatic using a sparse motificial salmost the opposite of the melody's.

this are idy sent ments with along sustained note with feedback and a backwards power child. The notione of est that so the first in soften in according way to an amount in builting the harmonic and positive first in soften in according to an amount in builting case upon one and lost approximation their privates of the entress of shows now failth entre upon occase upon occase out of the amounts spaces be ween privates, a wide range of dynamics and impeccable timing. The second character in the storm of the storm of the solution of the s

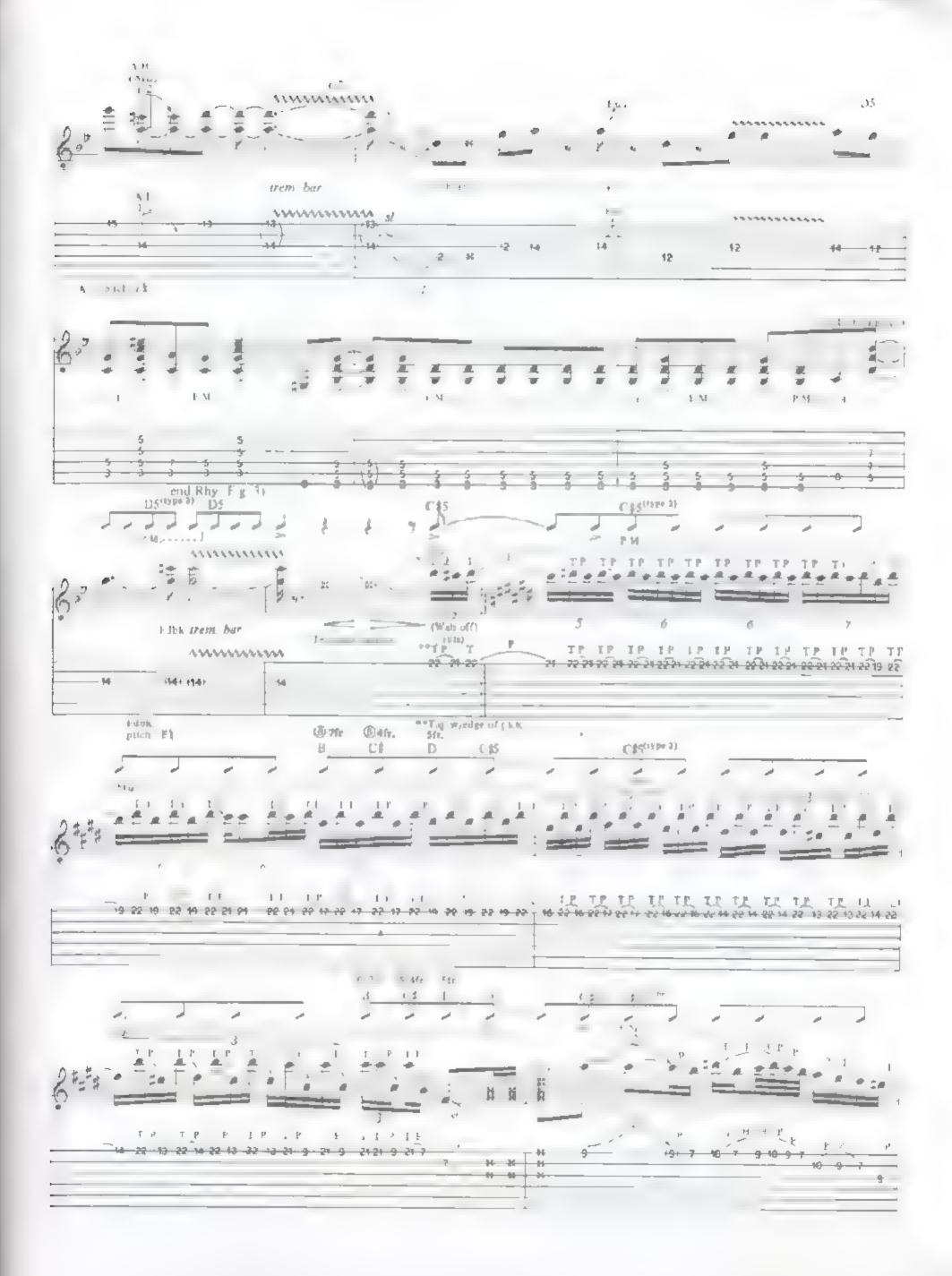
## SURFING WITH THE ALIEN

Music by Joe Satnant









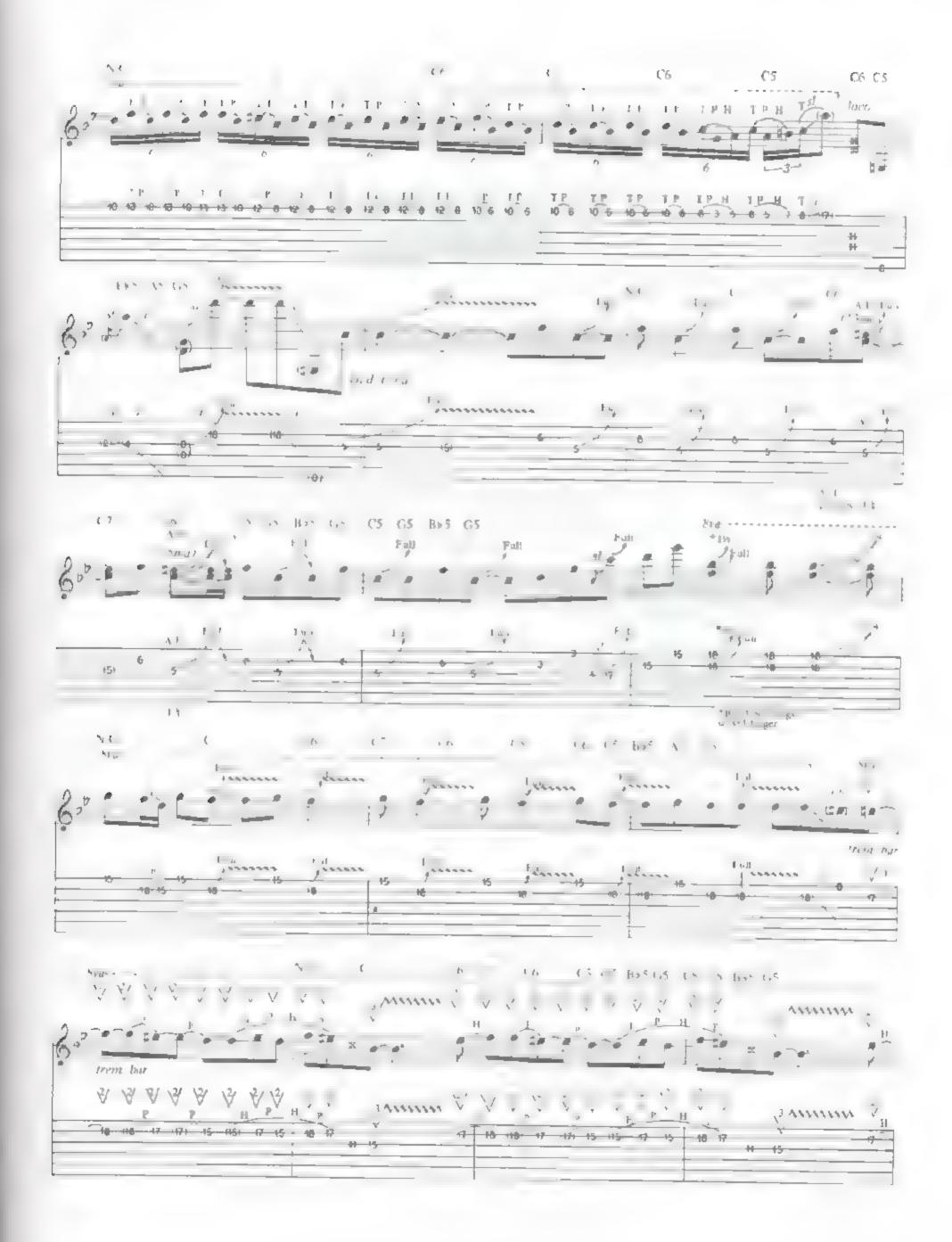






















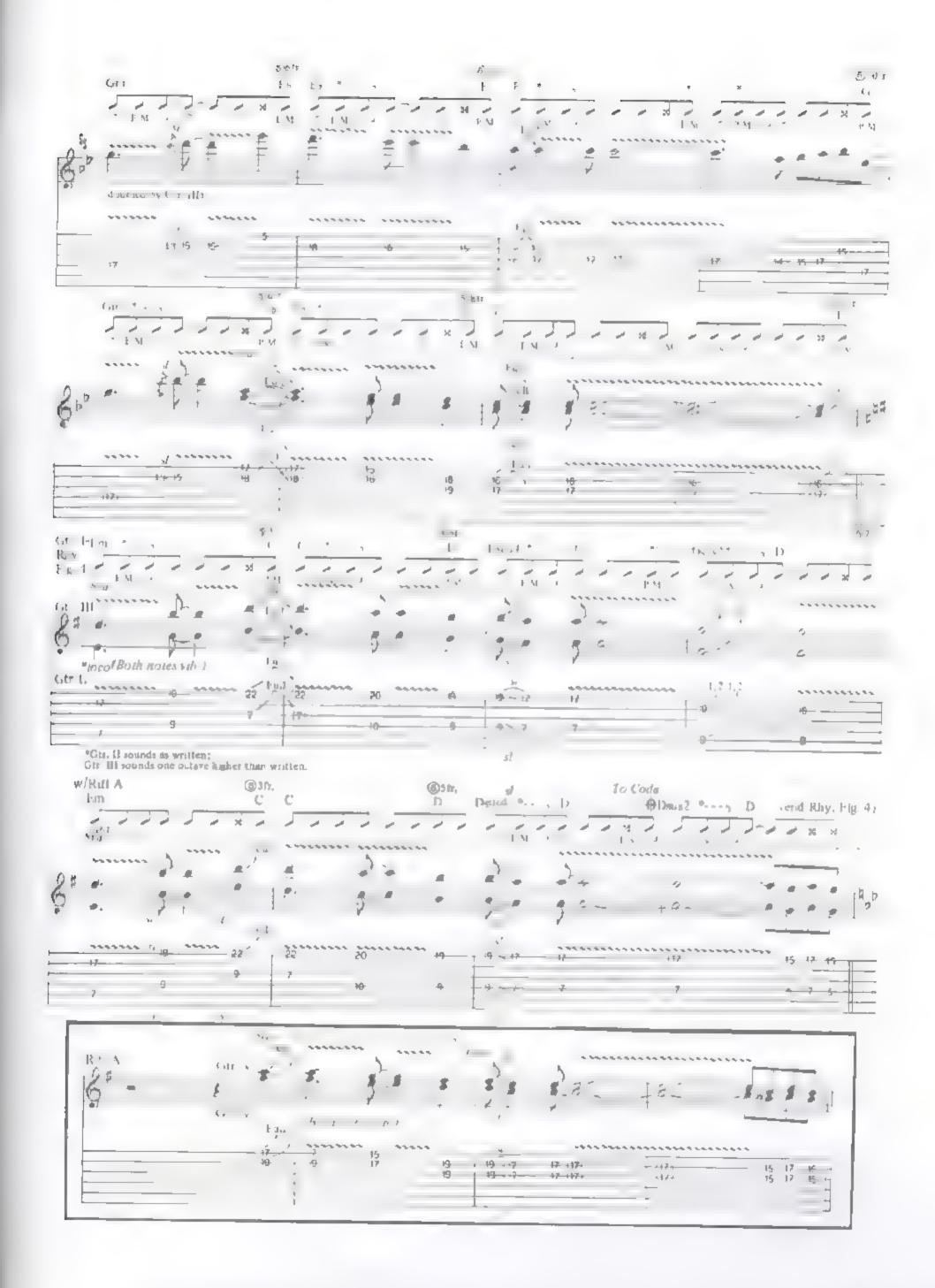




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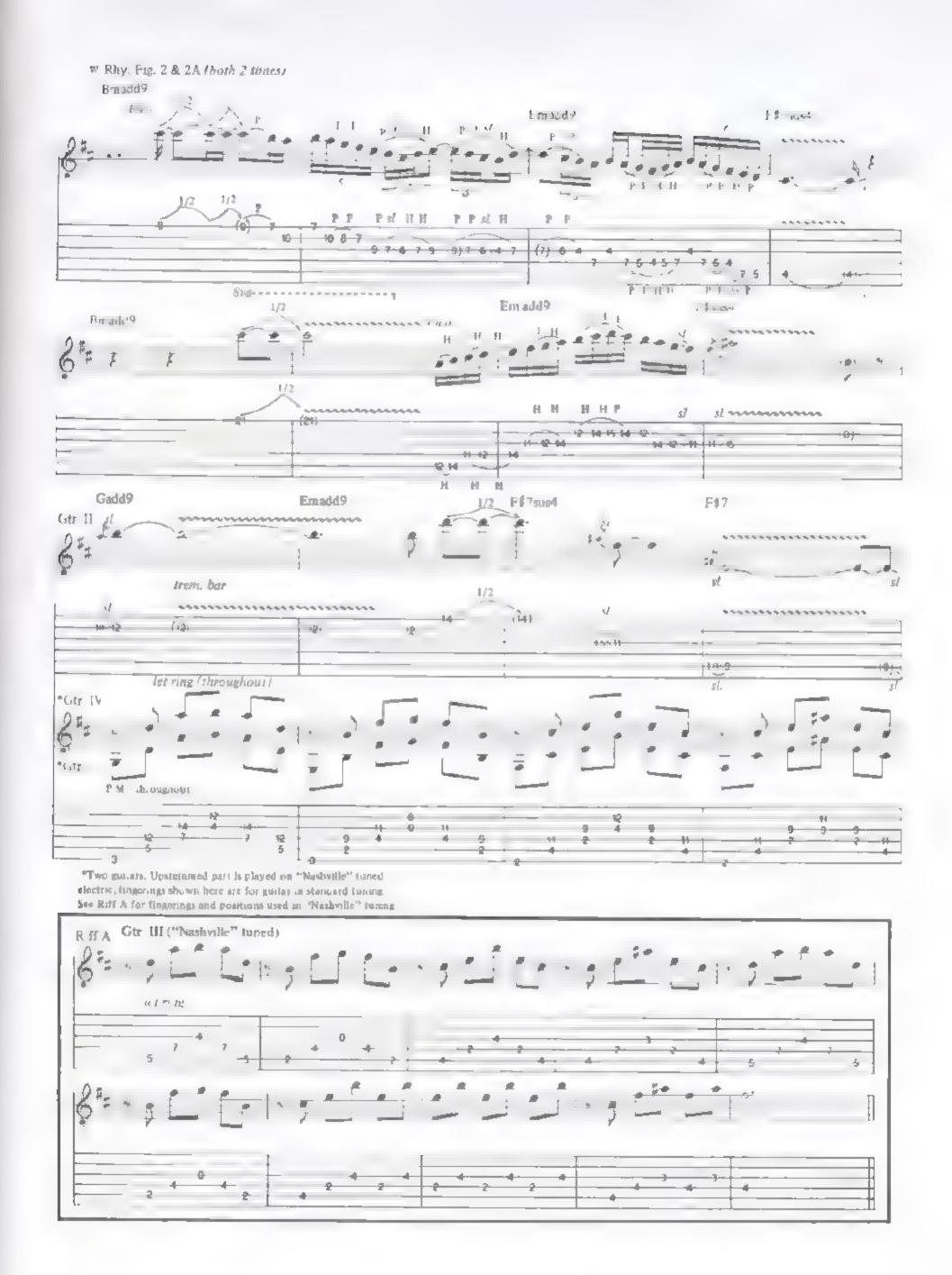


# ALWAYS WITH ME, ALWAYS WITH YOU

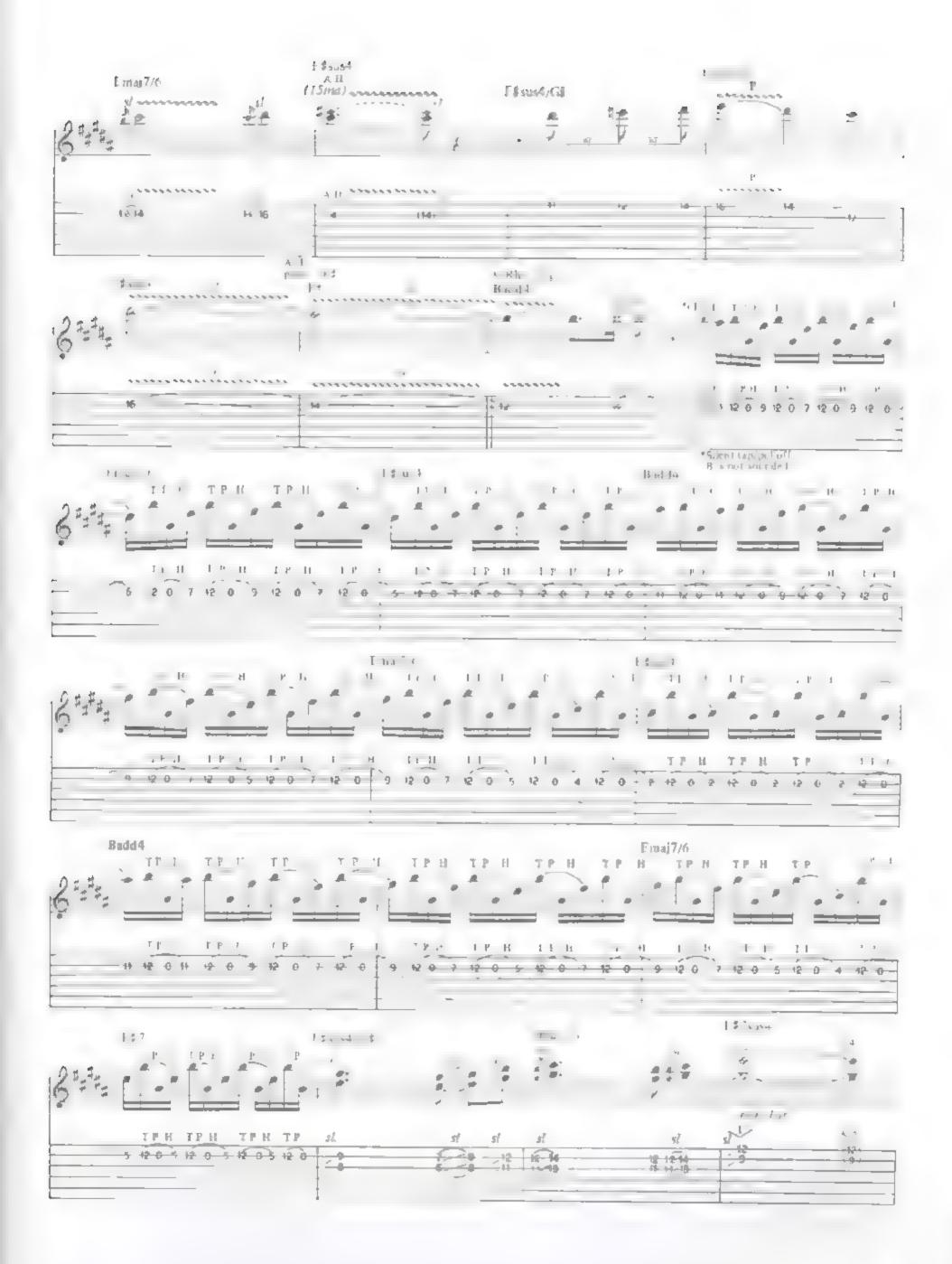
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## HILL OF THE SKULL

Music by Joe Satrlani





# SATCH BOOGIE

Music by Joe Satriani















### CIRCLES

Music by Joe Satrians







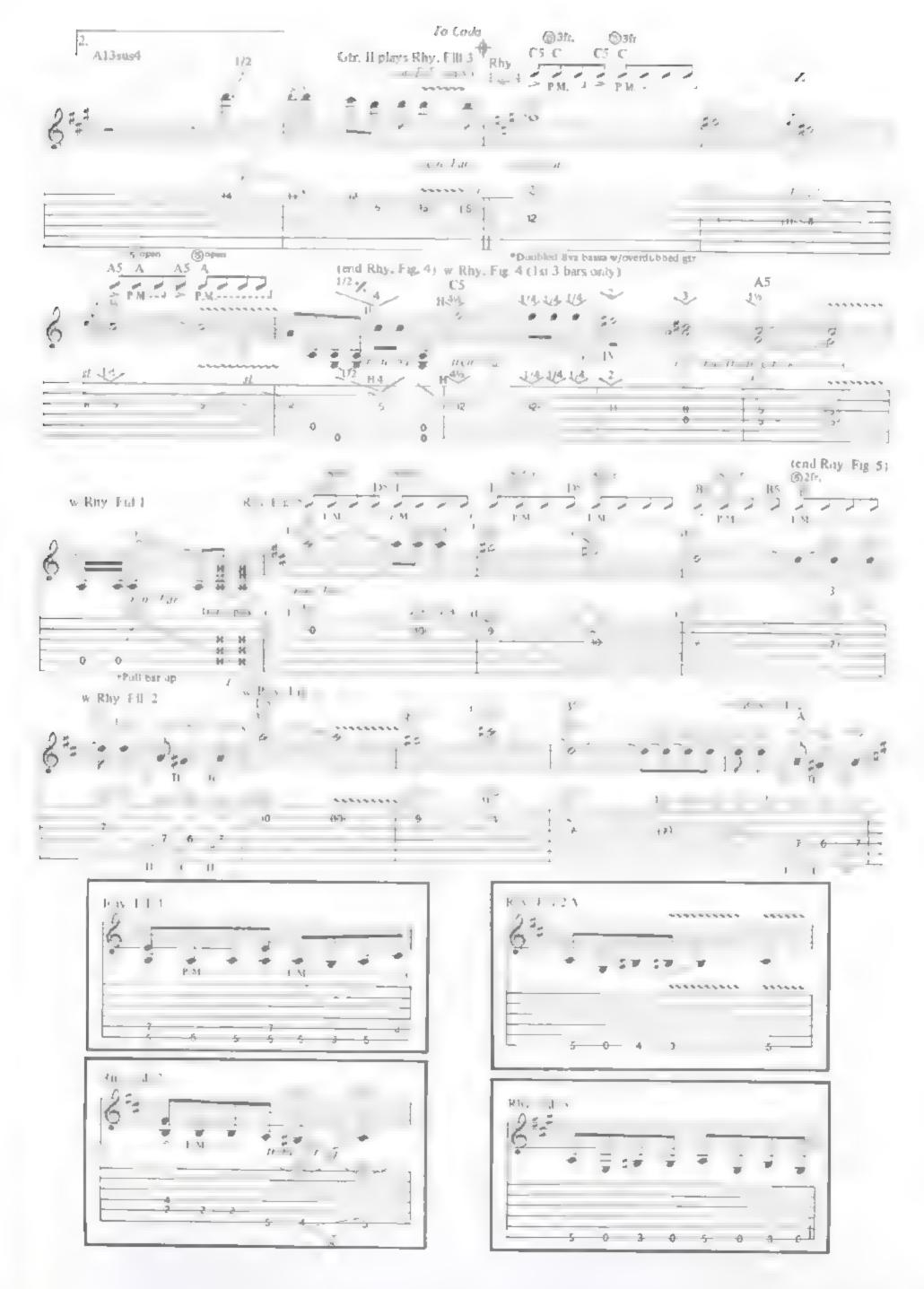




### LORDS OF KARMA

Music by Joe Satrian





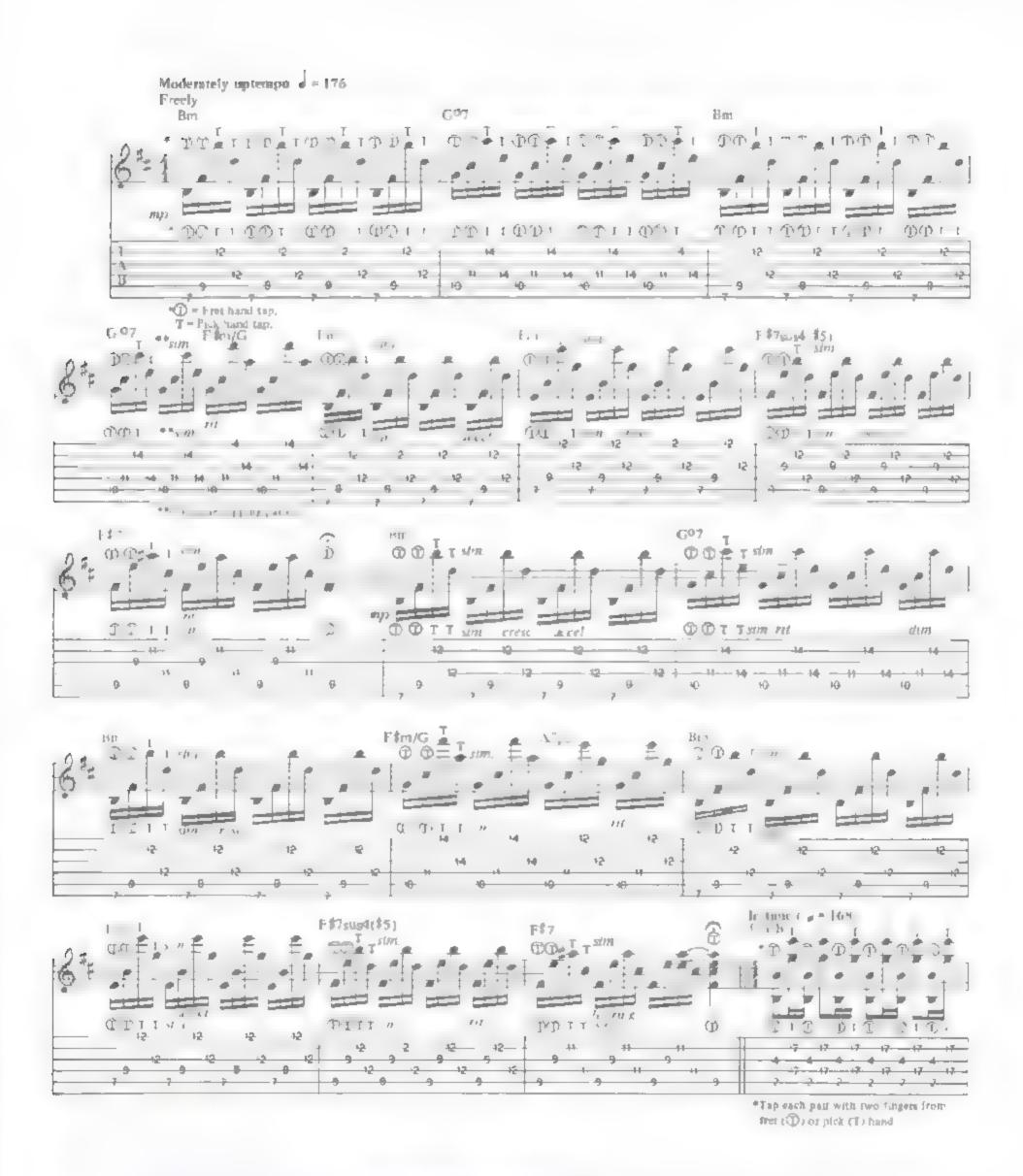


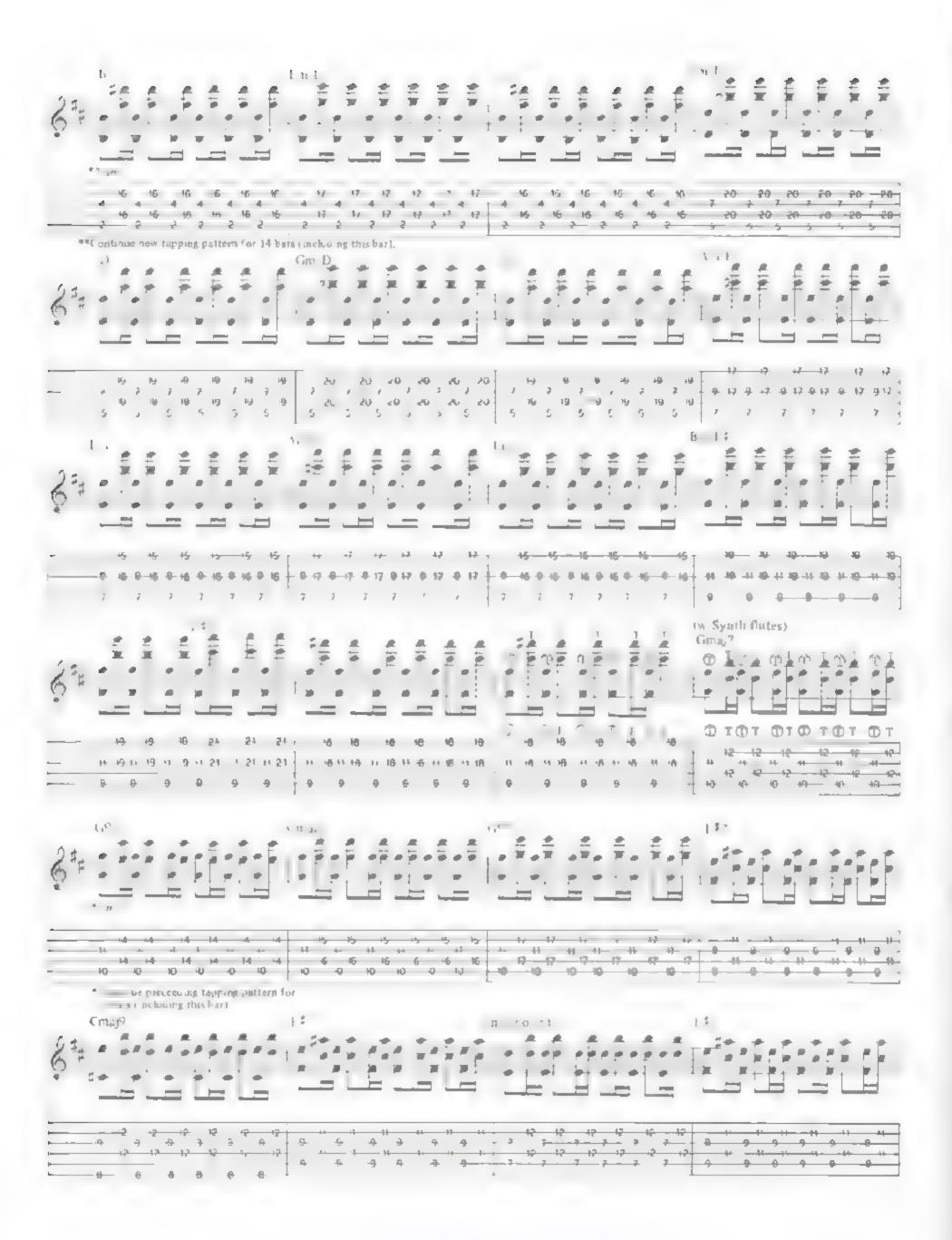


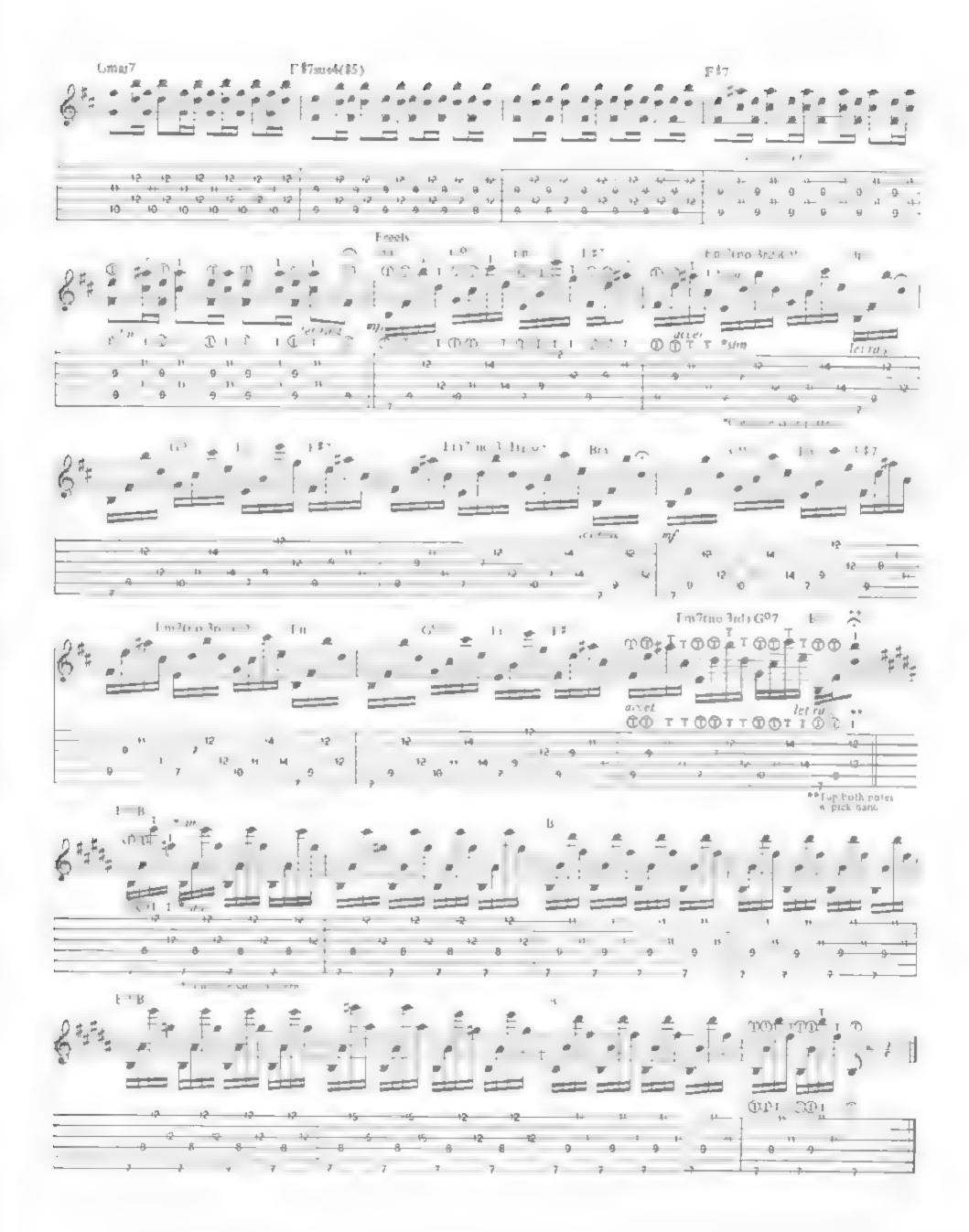
































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